



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov

WBPI

9040 Belvedere Road
West Palm Beach, Florida 33411

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Extruded Aluminum Hinged Bi-Fold Colonial Shutter

APPROVAL DOCUMENT: Drawing No. 07-WBP-0011, titled "Colonial Shutter", sheets 1 through 4 of 4, prepared by Engineering Express, dated May 19, 2008, signed and sealed by Frank L. Bennardo, P.E., on September 09, 2008, bearing Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises & renews** NOA # 06-1011.04 and consists of this page 1, evidence submitted pages E-1, E-2 & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
10/16/2008

NOA No. 08-0530.04
Expiration Date: 10/16/2013
Approval Date: 10/16/2008
Page 1

WBPI

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #95-0717.07

A. DRAWINGS

1. *Drawing No. 96-121, Poma Corp. Colonial Shutter, Sheets 1 through 3 of 3, by Knezevich & Associates, Inc., dated 11/14/97, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *Test Report on: 1) Large Missile Impact Test, per PA-201, 2) Cyclic Wind Pressure Test, per PA-203 and 3) Uniform Static Air Pressure test per PA-202, of colonial shutters with four sections and two horizontal bars, prepared by Hurricane Test Laboratory Inc., Report No. 0031-0316-95, dated March 16, 1995, signed and sealed by Timothy S. Marshall, P.E.*

C. CALCULATIONS

1. *Anchor analysis and calculations dated 6/28/95, Pages 1 to 19, prepared by John M. Averkamp, Inc., signed and sealed by John M. Averkamp, P.E.*
2. *Anchor analysis and locking bar analysis, dated 5/28/96, Pages 1 to 8, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*

D. MATERIAL CERTIFICATION

1. *Certified Inspection Report including material certification by T & C Metals, for Alum. alloy 3003 H14 .050" thick sheet.*
2. *Certified Tensile Test Report No. 5GM-1726, for colonial shutter specimen, prepared by QC Metallurgical Inc., dated 7/27/95, per ASTM E8-93, signed and sealed by Frank Grate, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-0512.01

A. DRAWINGS

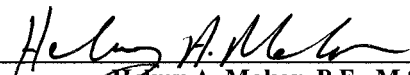
1. *Drawing prepared by Knezevich & Associates, Inc., titled "Colonial Shutter", Drawing No. 98-004, dated 05/08/98, last revision #2 dated 07/27/98, sheets 1 through 4 of 4, signed and sealed by V. J. Knezevich, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test of "Colonial Shutter", prepared by Construction Testing Corporation, Report No. 97-056, dated 10/23/97, signed and sealed by Yamile Kuri, P.E.*

C. CALCULATIONS

1. *Analysis and anchor calculations dated 05/11/98, pages 1 through 5 of 5, prepared by Knezevich & Associates, Inc., signed and sealed by V. J. Knezevich, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0530.04
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D. MATERIAL CERTIFICATIONS

1. *Tensile Test Report No. CTL-799C, prepared by Certified Testing Laboratories, dated 11/11/97, signed and sealed by Ramesh Patel, P.E.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-1114.01

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-1011.04

A. DRAWINGS

1. *Drawing No. 06-552, titled " Colonial Shutter ", sheets 1 through 4 of 4, prepared by Thornton Tomasetti, dated January 15, 2007, last revision #0 dated January 15, 2007, signed & sealed by J. W. Knezevich, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Revised Anchor analysis and calculations dated January 04, 2007, 14 Pages, prepared by Thornton Tomasetti, signed and sealed by John W. Knezevich, P.E. on January 04, 2007.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Henry A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0530.04
Expiration Date: 10/16/2013
Approval Date: 10/16/2008

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 07-WBP-0011, titled " Colonial Shutter ", sheets 1 through 4 of 4, prepared by Engineering Express, dated May 19, 2008, signed and sealed by Frank L. Bennardo, P.E., on September 09, 2008.*

B. TESTS

1. *Test Report on: 1) Large Missile Impact Test, per TAS-201, 2) Cyclic Wind Pressure Test, per TAS-203 and 3) Uniform Static Air Pressure test per TAS-202, of colonial shutters, prepared by Construction Testing Corporation, Report No. 07-017 TAS WXG, dated April 25, 2008, signed and sealed by Yamil G. Kuri, P.E.*

C. CALCULATIONS

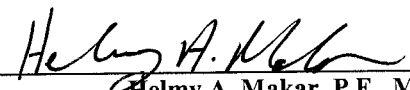
1. *Revised Anchor analysis and calculations dated May 22, 2008, 15 Pages, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E. on May 22, 2008.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

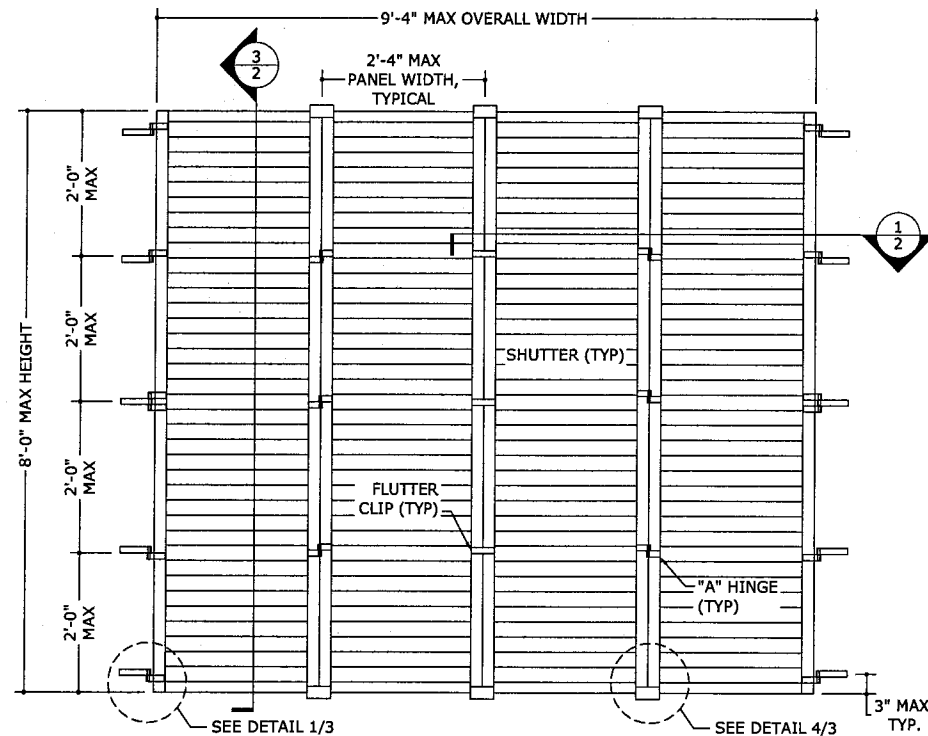
1. *None.*



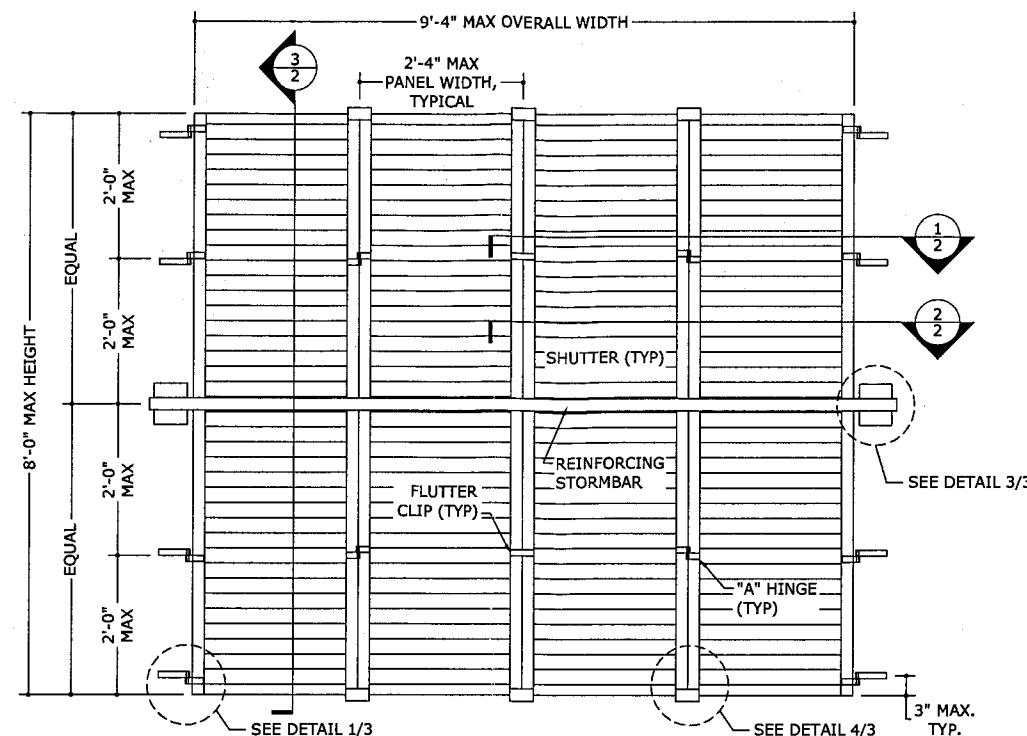
Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 08-0530.04
Expiration Date: 10/16/2013
Approval Date: 10/16/2008

09/09/2008 - 11:49am rbarlett F:\01 Project Files\WeatherGuard (WBP)\2007 Jobs\07-WBP-0011 Colonial Shutter (NOA)\07-WBP-0011_00e Colonial Shutter (NOA).dwg

COLONIAL SHUTTER

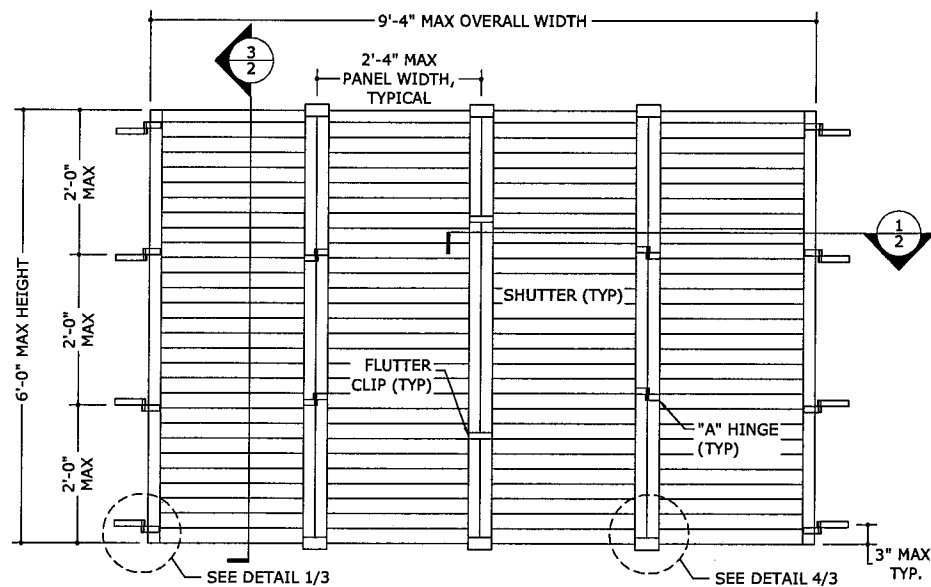


CONFIGURATION 'A':
96" ASSEMBLY (NO STORM BAR)*
1 N.T.S. EXTERIOR ELEV



CONFIGURATION 'B':
96" ASSEMBLY WITH STORM BAR*
2 N.T.S. EXTERIOR ELEV

*NOTE: 1-, 2-, 3-, OR 4-PANEL
UNITS MAY BE INSTALLED



CONFIGURATION 'C':
72" ASSEMBLY (NO STORM BAR)*
3 N.T.S. EXTERIOR ELEV

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2004 AND 2007 EDITIONS OF THE FLORIDA BUILDING CODE, FOR USE WITHIN THE HIGH VELOCITY HURRICANE ZONE, PER TAS 201 / 202 / 203 STANDARDS.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS AND SUBMIT FOR ONE TIME NOTICE OF ACCEPTANCE FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
6. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
7. PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL CONTAINING THE FOLLOWING:
WEATHERGUARD BUILDING PRODUCTS
WEST PALM BEACH, FLORIDA
MIAMI-DADE PRODUCT CONTROL APPROVED
8. ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI. ALL 3/16"Ø OR 1/4"Ø POP RIVETS SHALL BE 5056-H32 ALUMINUM ALLOY OR STRONGER.
9. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.

ALLOWABLE DESIGN PRESSURES

CONFIGURATION 'A': +38.0/-55.5 PSF
CONFIGURATION 'B': +52.0/-83.2 PSF
CONFIGURATION 'C': +85.0/-101.0 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-0530.04
Expiration Date 10/16/2013
By *Heather A. Miller*
Miami Dade Product Control
Division

FRANK L. BENNARDO, P.E.
PE0046549

09/09/2008

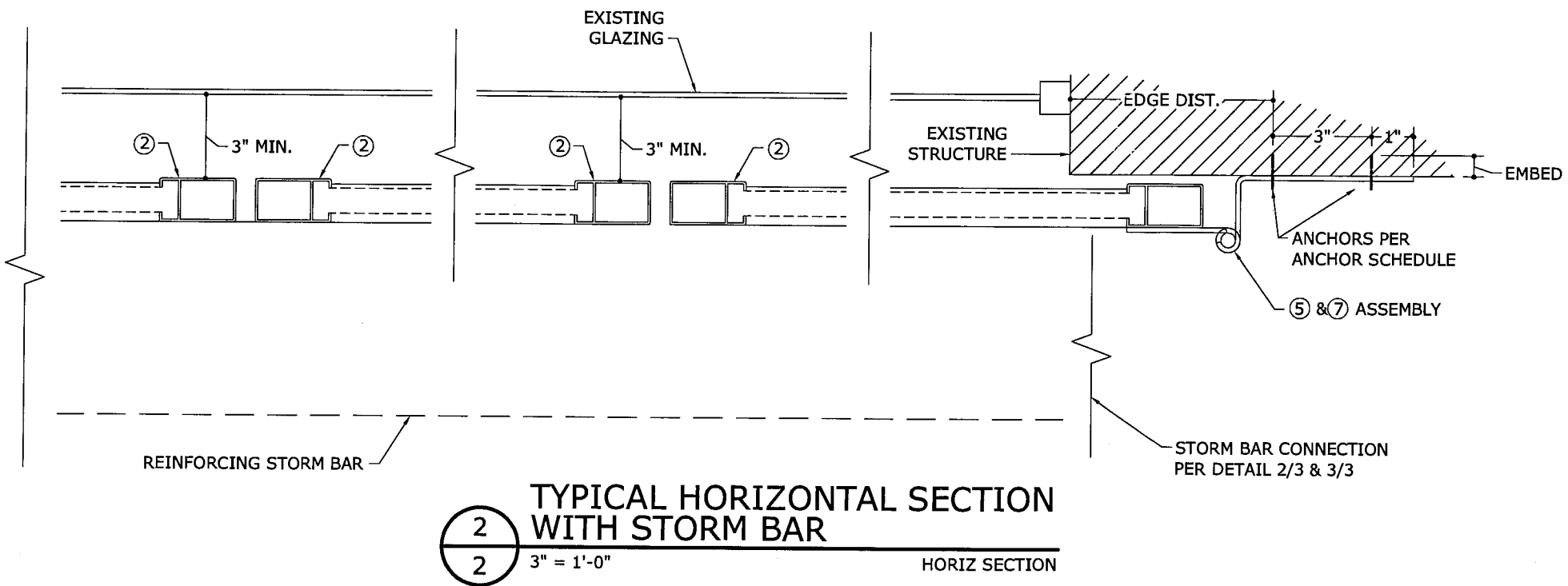
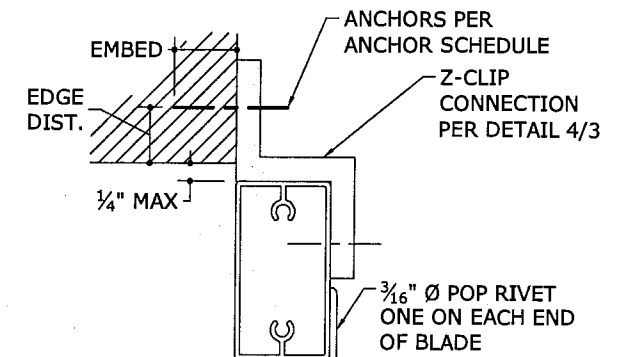
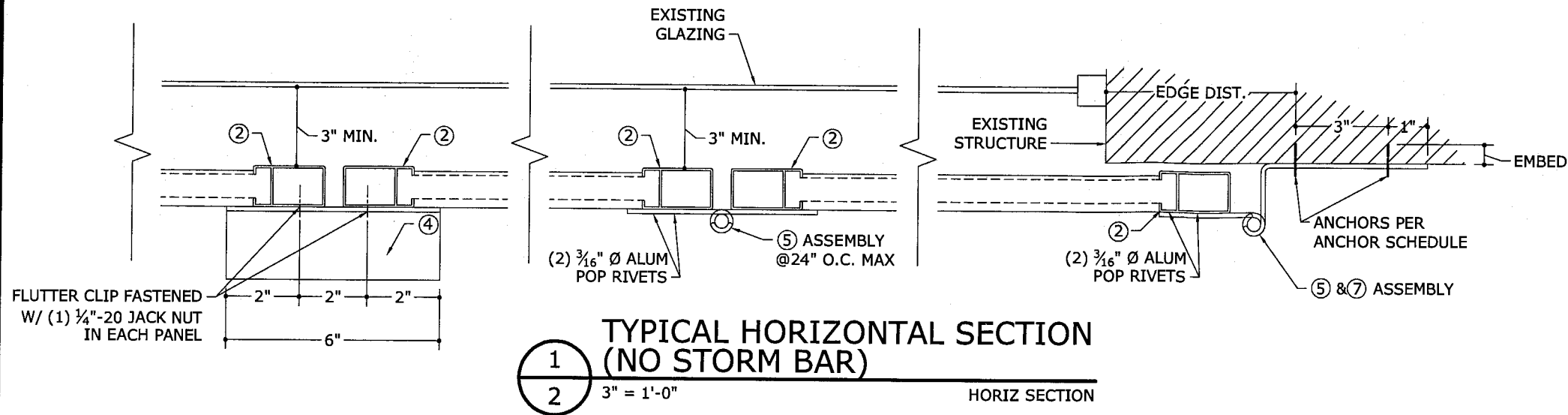
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WEATHERGUARD BUILDING PRODUCTS
9040 BELEVEDERE ROAD
WEST PALM BEACH, FL
COLONIAL SHUTTER
LARGE MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	05/19/08

07-WBP-0011
SCALE: 1/8" = 1'-0"
PAGE DESCRIPTION: 01

09/09/2008 - 11:49am rbartlett F:\01 Project Files\WeatherGuard (WBP)\2007 Jobs\07-WBP-0011 Colonial Shutter (NOA).dwg



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By *Helmut A. Miller*
Miami Dade Product Control
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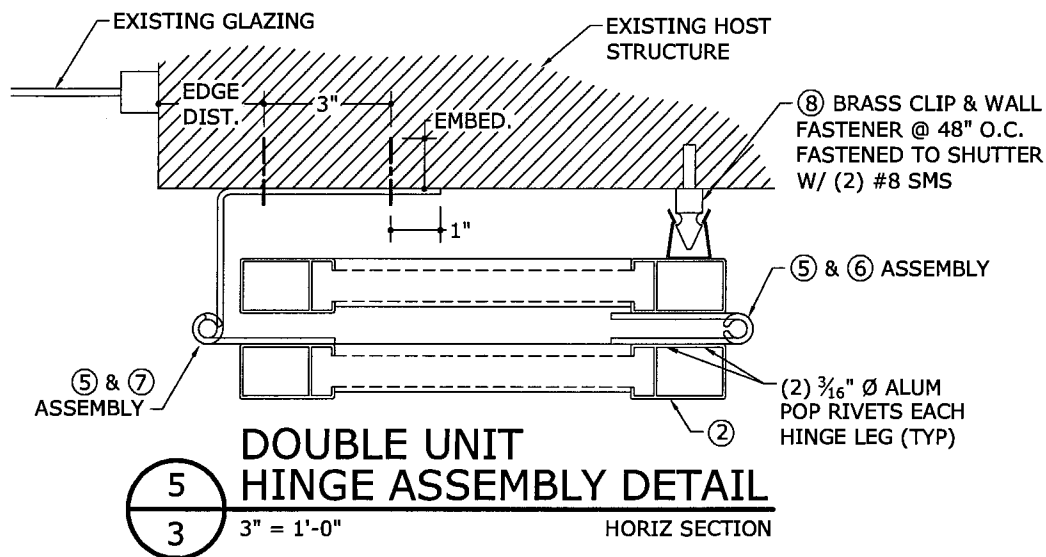
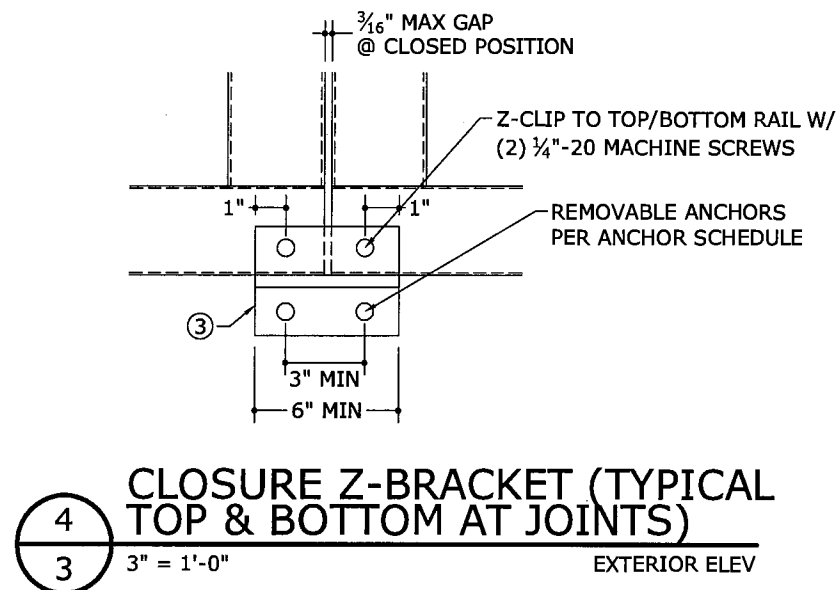
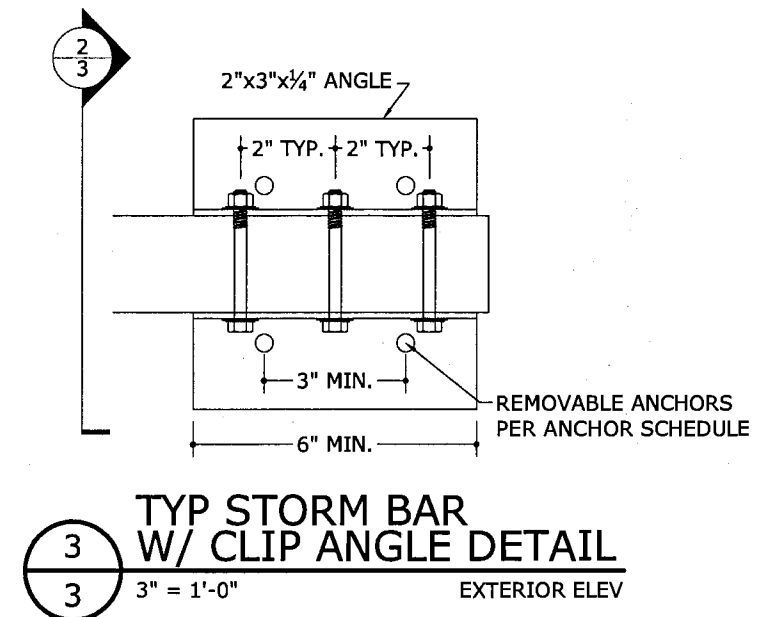
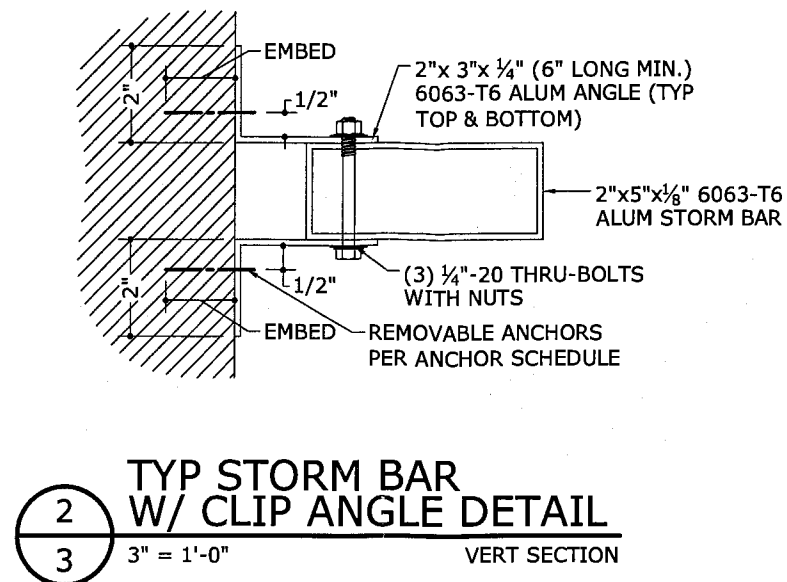
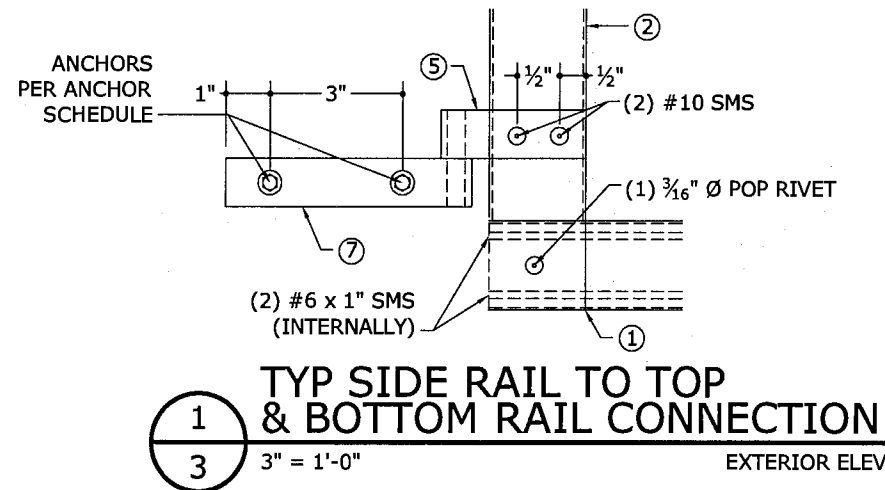
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SCALE: 1/8" = 1'-0"
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FRANK L. BENNARDO, P.E.
PE0046549
09/09/2008
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9040 BELEVEDERE ROAD
WEST PALM BEACH, FL
COLONIAL SHUTTER
LARGE MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	INIT	ISSUE	DRWN	CHKD	DATE
	KL				05/19/08

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ANCHOR SCHEDULE:

ANCHOR	NUMBER OF ANCHORS REQUIRED						
	PER HINGE ALL CONFIGURATIONS	PER Z-CLIP CONFIGURATION			PER STORM BAR END CONFIGURATION		
		'A'	'B'	'C'	'A'	'B'	'C'
1/4" ITW TAPCON W/ 1-1/4" MIN EMBED AND 2-1/2" MIN EDGE DIST TO HOLLOW BLOCK OR CONCRETE	2	N/A	N/A	N/A	N/A	8	N/A
1/4" USSA MASONRY ANCHOR W/ 1-1/4" MIN EMBED AND 2" MIN EDGE DIST TO HOLLOW BLOCK OR CONCRETE	2	N/A	N/A	N/A	N/A	4	N/A
* 1/4"-20 POWERS CALK-IN W/ 7/8" MIN EMBED AND 2-1/2" MIN EDGE DIST TO HOLLOW BLOCK OR CONCRETE	2	3	2	4	N/A	6	N/A
* 1/4"-20 USSA LEAD SHIELD ANCHOR W/ 7/8" MIN EMBED AND 2" MIN EDGE DIST TO HOLLOW BLOCK OR CONCRETE	2	2	2	2	N/A	4	N/A
#14 WOOD SCREW OR 1/4" ITW TAPCON W/ 1-1/2" MIN THREAD PENETRATION AND 3/4" MIN EDGE DIST TO WOOD	2	N/A	N/A	N/A	N/A	4	N/A

ANCHOR NOTES:

- SEE ANCHOR SCHEDULE FOR MINIMUM QUANTITIES AT VARIOUS ANCHOR LOCATIONS.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- UNLESS OTHERWISE NOTED HEREIN, ALL ANCHORS SHALL HAVE A MINIMUM SPACING OF 3" O.C.
- WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
- MINIMUM EMBEDMENT AND EDGE DISTANCE SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFFER HEAD ("SIDEWALK BOLT") U.N.O.
- * DESIGNATES ANCHORS WHICH ARE REMOVABLE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-0530.04
Expiration Date 10/16/2013
By *Helmut H. Mahr*
Miami Dade Product Control
Division

FRANK L. BENNARDO, P.E.
PE0046549

09/09/2008

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WEATHERGUARD BUILDING PRODUCTS
9040 BELEVEDERE ROAD
WEST PALM BEACH, FL
COLONIAL SHUTTER
LARGE MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

DATE	05/19/08
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INIT	ISSUE
KL	KL

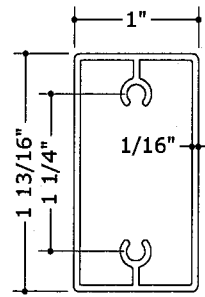
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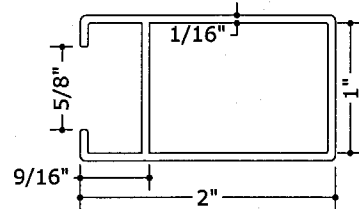
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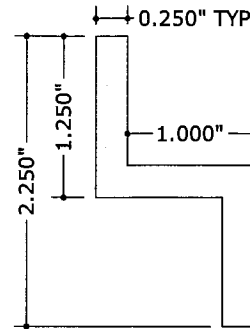
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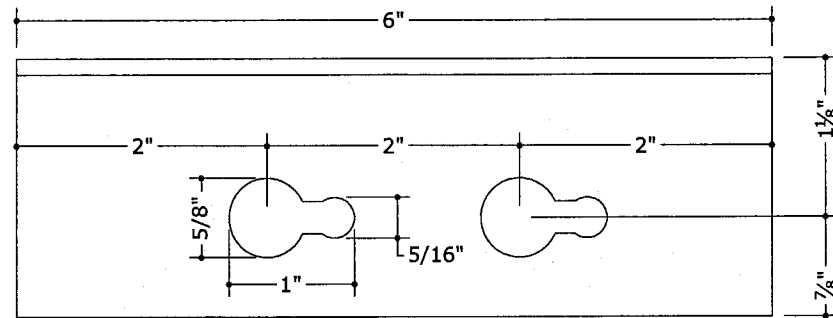
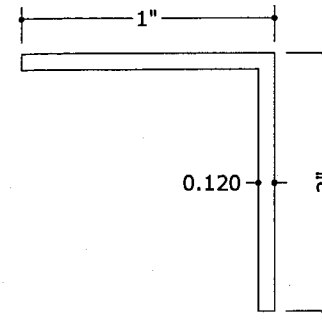
1 TOP & BOTTOM RAIL
8" = 1'-0" 6063-T6 ALUM.



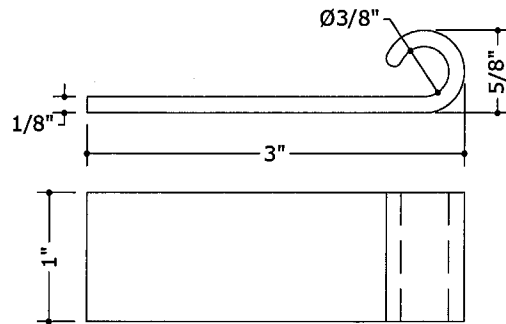
2 SIDE RAIL
8" = 1'-0" 6063-T6 ALUM.



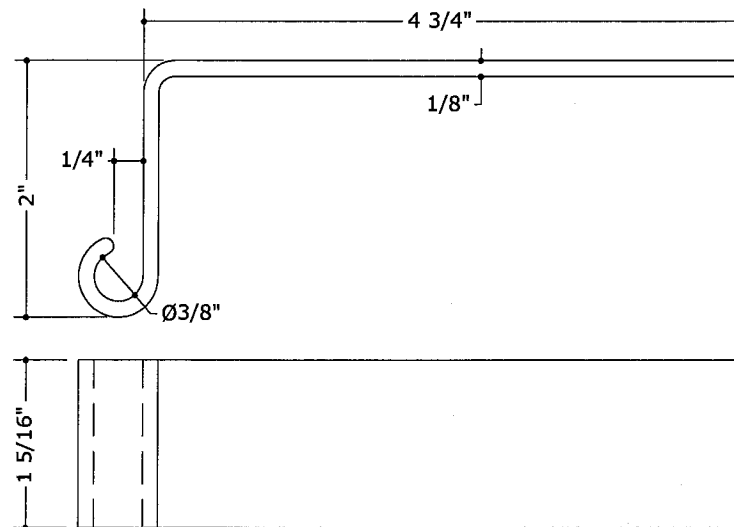
3 Z-BRACKET
8" = 1'-0" 6063-T6 ALUM.



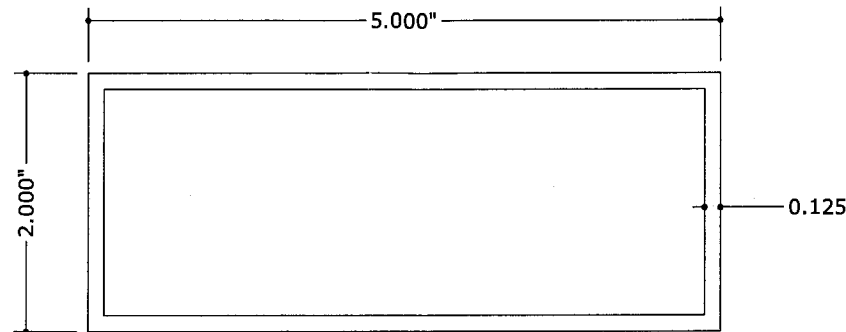
4 FLUTTER CLIP
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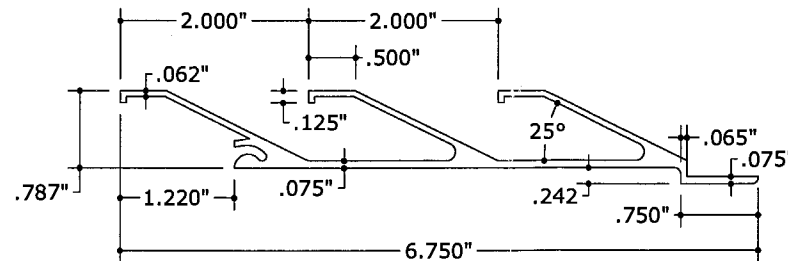
5 "A" HINGE
8" = 1'-0" 6063-T6 ALUM.



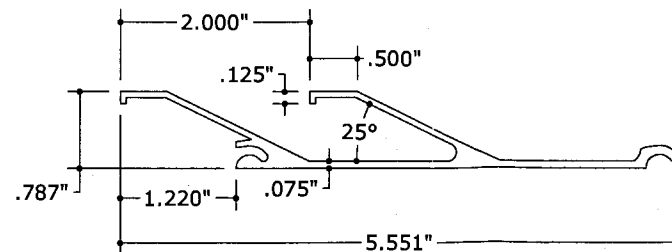
7 "C" HINGE
8" = 1'-0" 6063-T6 ALUM.



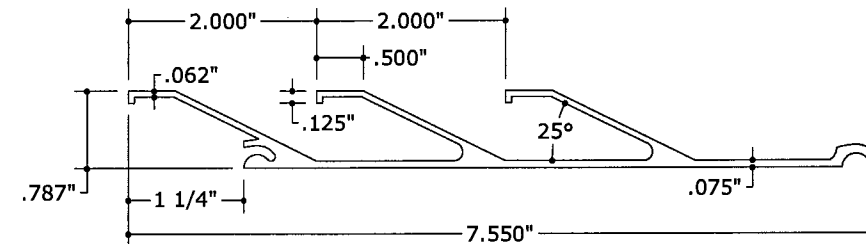
6 STORM BAR
8" = 1'-0" 6063-T6 ALUM.



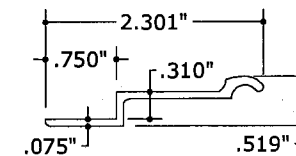
10 STARTER BLADE
6" = 1'-0" 6063-T6 ALUM.



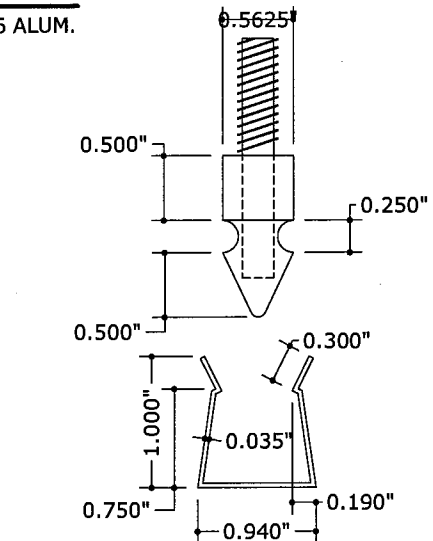
12 STANDARD 2 LOUVER BLADE
6" = 1'-0" 6063-T6 ALUM.



11 STANDARD 3 LOUVER BLADE
6" = 1'-0" 6063-T6 ALUM.



13 CLOSURE STRIP
6" = 1'-0" 6063-T6 ALUM.



8 BRASS CLIP-ON
8" = 1'-0" 6063-T6 ALUM.

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WEATHERGUARD BUILDING PRODUCTS

9040 BEVEDEERE ROAD
WEST PALM BEACH, FL

COLONIAL SHUTTER
LARGE MISSILE IMPACT RESISTANT
MIAMI-DADE NOTICE OF ACCEPTANCE

DATE	CHKD	DATE
05/19/08	KL	05/19/08
INIT	ISSUE	

07-WBP-0011

SCALE: 1/4" = 1'-0"

PAGE DESCRIPTION: